## ABSTRACT

The invention provides method and compositions for the modulation of flavanone and/or isoflavone production in plants. The methods of the invention allow creation of plants having novel phenotypes. Increased expression of isoflavones in particular in plants may be used to increase the nutritional value of food plants for both human and animal consumption. The invention overcomes limitations of the prior art which prevented accumulation of high levels of isoflavones in plants.

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